

Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	09/931469
				Filing Date	2001-08-16
				First Named Inventor	LAROIA, RAJIV
				Art Unit	2462
				Examiner Name	JUNTIMA, NITTAYA
Sheet	1	of	7	Attorney Docket No: 060542	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	001	US5625876	04-29-1997	GILHOUSEN; Klein S. et al.	
	002	US6215983	04-10-2001	DOGAN; Mithat CAN. et al.	
	003	US6272122	08-07-2001	WEE; Pyeong-hwan	
	004	US6310704	10-30-2001	DOGAN; Mithat CAN. et al.	
	005	US6363060	03-26-2002	SARKAR; Sandip	
	006	US6535666	03-18-2003	DOGAN; Mithat CAN. et al.	
	007	US6542743	04-01-2003	SOLIMAN; Samir S.	
	008	US6590881	07-08-2003	WALLACE; Mark S. et al.	
	009	US7009500	03-07-2006	RAO; Manoharprasad K. et al.	
	010	US7551564	06-23-2009	MATTINA; Matthew	
	011	US7599327	10-06-2009	ZHUANG; Xiangyang	
	012	US20020018157	02-14-2002	ZHANG; Hongyong et al.	
	013	US20020191569	12-19-2002	SUNG; Dan-keun et al.	
	014	US20030063579	04-03-2003	LEE; Jung-hyeong	
	015	US20030068983	04-10-2003	KIM; Sung-jin et al.	
	016	US20030109226	06-12-2003	BRUNNER; Christopher et al.	
	017	US20030190897	10-09-2003	LEI; Zhongding et al.	
	018	US20040136349	07-15-2004	WALTON; J. RODNEY. et al.	
	019	US20040170152	09-02-2004	NAGAO; Akifumi et al.	
	020	US20040171384	09-02-2004	HOLMA; Harri et al.	

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	021	US20050175070	08-11-2005	GROB; Matthew S. et al.	
	022	US20050180313	08-18-2005	KIM; Yung-soo et al.	
	023	US20050239465	10-27-2005	LEE; Chang JAE. et al.	
	024	US20050259757	11-24-2005	WU; Shiquan et al.	
	025	US20060013285	01-19-2006	KOBAYASHI; Takahiro; et al.	
	026	US20060039344	02-23-2006	KHAN; Farooq ULLAH;	
	027	US20070004430	01-04-2007	HYUN; Moon-pil; et al.	
	028	US20070009011	01-11-2007	COULSON; Alan JAMES;	
	029	US20070183386	08-09-2007	MUHAREMOVIC; Tarik; et al.	
	030	US20070280336	12-06-2007	ZHANG; Jianzhong; et al.	
	031	US20080095262	04-24-2008	HO; Chin KEONG; et al.	
	032	US20080267157	10-30-2008	LEE; Jung AH; et al.	
	033	US20090180459	07-16-2009	ORLIK; Philip V.; et al.	
	034	US20090262699	10-22-2009	WENGERTER; Christian; et al.	
	035	US20020168946	11-14-2002	AIZAWA, et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	036	EP0805576A2	11-05-1997	PLESSEY TELECOMM [GB]		<input type="checkbox"/>
	037	EP0807989A1	11-19-1997	MOTOROLA LTD [GB]		<input type="checkbox"/>
	038	EP1093241A1	04-18-2001	NEC CORP [JP]		<input type="checkbox"/>
	039	EP1335504A2	08-13-2003	SAMSUNG ELECTRONICS CO LTD [KR]		<input type="checkbox"/>
	040	EP1513356A2	03-09-2005	SONY ERICSSON MOBILE COMM JP [JP]		<input type="checkbox"/>
	041	JP2004297276 A	10-21-2004	SANYO ELECTRIC CO. et al.		<input checked="" type="checkbox"/>
	042	KR2001100877 15A	09-21-2001	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	043	KR200300359 69A	05-09-2003	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	044	RU2141168C1	11-10-1999	MOTOROLA LTD [GB]		<input checked="" type="checkbox"/>
	045	RU2141706C1	11-20-1999	VOENNAJA AKADEMIJA SVJAZI .		<input checked="" type="checkbox"/>
	046	RU2159007C2	11-10-2000	INTERDIGITAL TEKHOLODZHI CORP [US]		<input checked="" type="checkbox"/>
	047	RU2216101C2	11-10-2003	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	048	RU2335864C2	10-10-2008	KVEHLKOMM FLEHRION TEKNOLODZHI [US]		<input checked="" type="checkbox"/>
	049	WO02093782A 1	11-21-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	050	WO02100027A 1	12-12-2002	MOTOROLA INC [US]		<input type="checkbox"/>
	051	WO03069832A 1	08-21-2003	SIEMENS AG [DE] et al.		<input type="checkbox"/>

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Sheet	4	of	7	Attorney Docket No: 060542	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	052	WO200409573 0A1	11-04-2004	MITSUBISHI ELECTRIC CORP [JP] et al.		<input type="checkbox"/>
	053	WO200500225 3A1	01-06-2005	NEC CORP [JP] et al.		<input type="checkbox"/>
	054	WO200502048 8A1	03-03-2005	MATSUSHITA ELECTRIC IND CO LTD [JP] et al.		<input type="checkbox"/>
	055	WO9854919A2	12-03-1998	QUALCOMM INC [US]		<input type="checkbox"/>
	056	WO9960729A1	11-25-1999	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	057	CN1284795	02-21-2001	ROSAAC CO LTD [KR]		<input checked="" type="checkbox"/>
	058	JP2004158901	06-03-2004	KDDI CORP.		<input checked="" type="checkbox"/>
	059	JP2004194262	07-08-2004	NTT DOCOMO INC.		<input checked="" type="checkbox"/>
	060	JP9182148	07-11-1997	TRW INC.		<input checked="" type="checkbox"/>
	061	KR200300079 65	01-23-2003	SIEMENS AKTIENGESELLSCHAFT.		<input checked="" type="checkbox"/>
	062	RU2225080	02-27-2004	SABO ISHTVAN [HU].		<input checked="" type="checkbox"/>
	063	RU2235429C1	08-27-2004	BORISOV VI [RU]		<input checked="" type="checkbox"/>
	064	RU2237379C2	09-27-2004	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	065	RU2242091C2	12-10-2004	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	066	TW200718128	05-01-2007	NOKIA CO., LTD.		<input checked="" type="checkbox"/>
	067	WO03058871A 1	07-17-2003	QUALCOMM INCORPORATED.		<input type="checkbox"/>
	068	WO04002047	12-31-2003	QUALCOMM INC [US]		<input type="checkbox"/>

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	069	WO04016007	02-19-2004	FLARION TECHNOLOGIES, INC.		<input type="checkbox"/>
	070	WO04095854	11-04-2004	MOTOROLA INC [US], et al.		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T2
	071	CHIANI, et al. "OUTAGE EVALUATION FOR SLOW FREQUENCY-HOPPING MOBILE RADIO SYSTEMS" IEEE TRANSACTIONS ON COMMUNICATIONS, VOL.47, NO.12, DECEMBER 1999, pgs. 1865-1874, .				<input type="checkbox"/>
	072	CHOW J. S , "A cost-effective maximum likelihood receiver for multicarrier systems," Proc. IEEE Int. Conf. On Comm., 1992, 948-952.				<input type="checkbox"/>
	073	NAOFAL AL-DHAHIR, "Optimum Finite-Length Equalization for Multicarrier Transceivers," IEEE Trans. On Comm., 1996, 56-64.				<input type="checkbox"/>
	074	S. NISHIMURA ET AL., "DOWNLINK NULL-FORMATION USING RECEIVING ANTENNA SELECTION IN MIMO/SDMA", TECHNICAL SEARCH REPORT OF ELECTRIC INFORMATION COMMUNICATION ACADEMIC CONFERENCE, FEBRUARY 28, 2002, VOL. 101, NO. 683, PP. 17-22, RCS 2001-286.				<input type="checkbox"/>
	075	SCHNELL et al., "Application Of IFDMA to Mobile Radio Transmission", IEEE 1998 International Conference on Universal Personal Communications, vol.2, 5-9 Oct 1998, pp.1267-1272.				<input type="checkbox"/>
	076	SHATTIL, et al., "Array Control Systems for Multicarrier Protocols Using a Frequency-Shifted Feedback Cavity," IEEE, 1999.				<input type="checkbox"/>
	077	WANG, et al., "Improving performance of multi-user OFDM systems using bit-wise interleaver ,XP006017222," ELECTRONICS LETTERS IEE Stevenage, 2001, 37 (19), 1173-1174.				<input type="checkbox"/>
	078	YUN, et al., "Performance Of an LDPC-Coded Frequency-Hopping QFDMA System Based on Resource Allocation in the Uplink, Italy 17-19 May 2004, Piscataway, NJ, USA,				<input type="checkbox"/>

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		XP010766497," VEHICULAR TECHNOLOGY -CONFERENCE 2004. VTO 2004-Spring, 2004 IEEE 59th Milan, 2004, 4, 1925-1928.	

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